



STIC Search Report

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STIC Database Tracking Number: 201075

TO: Alton Pryor
Location: REM/4A39/4C70
Art Unit: 1616
Monday, September 11, 2006
Case Serial Number: 10/536517

From: Barb O'Bryen
Location: Biotech-Chem Library
Remsen 1a69
Phone: 571-272-2518 *BoSB*

barbara.obryen@uspto.gov

Search Notes

BARK

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Scientific and Technical Information Center

SEARCH REQUEST FORM

MICHAEL P. WOODWARD

SUPERVISORY PATENT EXAMINER

Requester: TECHNOLOGY CENTER 1600Art Unit: 1616Phone Number: 2-0621Examiner #: 74458Date: 9/7/06Location (Bldg/Room#): 4REM39 (Mailbox #): 49EMC70 Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: _____

Inventors (please provide full names): Salmon, R Langton, D

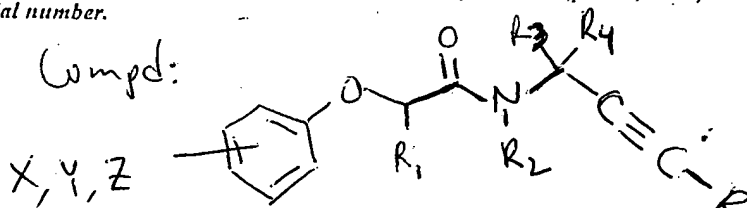
Earliest Priority Date: _____

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Search Compd:



- a) X, Y, Z (at least one is other than "H")
- b) R₁ = Alkoxyalkyl-, Alkthioalkyl-
- c) R₃ = R₄ at least one of which is other than "H"
- or
- R₃ and R₄ together forms a 3 or 4 membered carbocyclic ring optionally containing one "O", "S" or "N"

See claim 1 attached

STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact:*

Mary Hale, Information Branch Supervisor
571-272-2507 Remsen 1 A51

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/Biotech-Chem Library Remsen Bldg.

=> fil capl agricola caba biosis wpix; d que l5
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inventor search

L1 940 SEA SALMON R?/AU
 L2 35 SEA LANGTON D?/AU
 L5 5 SEA L1 AND L2

=> dup rem l5
 PROCESSING COMPLETED FOR L5
 L41 3 DUP REM L5 (2 DUPLICATES REMOVED)
 ANSWERS '1-2' FROM FILE CAPLUS
 ANSWER '3' FROM FILE WPIX

=> d iall 1-3

L41 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
 ACCESSION NUMBER: 2006:542801 CAPLUS
 DOCUMENT NUMBER: 145:27874
 ENTRY DATE: Entered STN: 09 Jun 2006
 TITLE: Preparation of (hetero)aryloxyacetamides as
 agrochemical fungicides.
 INVENTOR(S): **Salmon, Roger**; Bacon, David Philip;
 Chrystal, Ewan James Turner; **Langton, David**
William; Knee, Andrew Jonathan; Munns, Gordon
 Richard; Quaranta, Laura; Brunner, Hans-Georg;
 Beaudegnies, Renaud; Cederbaum, Fredrik; Murphy
 Kessabi, Fiona
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.; Syngenta Ltd.
 SOURCE: PCT Int. Appl., 119 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 CLASSIFICATION: 27-16 (Heterocyclic Compounds (One Hetero Atom))
 Section cross-reference(s): 5, 25, 28
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006058700	A1	20060608	WO 2005-EP12735	20051129
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,				

MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

GB 2004-26373

A 20041201

PATENT CLASSIFICATION CODES:

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2006058700	IPCI	C07D0409-12 [I,A]; C07D0409-00 [I,C*]; C07D0307-91 [I,A]; C07D0307-00 [I,C*]; C07D0277-68 [I,A]; C07D0277-00 [I,C*]; C07D0215-20 [I,A]; C07D0215-00 [I,C*]; C07D0213-65 [I,A]; C07D0213-00 [I,C*]; C07C0323-22 [I,A]; C07C0323-00 [I,C*]; A01N0043-12 [I,A]; A01N0043-02 [I,C*]; A01N0043-40 [I,A]; A01N0043-42 [I,A]; A01N0043-34 [I,C*]; A01N0043-78 [I,A]; A01N0043-72 [I,C*]; A01N0039-04 [I,A]; A01N0039-00 [I,C*]
	ECLA	C07C323/60

OTHER SOURCE(S):

MARPAT 145:27874

ABSTRACT:

ArOCH(SOnR1)C(:L)NR2R3 [Ar = (substituted) (hetero)aryl, (hetero)cyclyl; R1 = alkyl, haloalkyl, cycloalkyl; R2 = H, alkyl, cycloalkyl, alkenyl, cyanoalkyl, alkoxyalkyl, alkoxyalkoxyalkyl, (substituted) benzyloxyalkyl; R3 = (CRaRb)p(CRcRd)qXr(CReRf)sR4; Ra-Rf = H, alkyl, halo, cyano, OH, alkoxy, alkoxy carbonyl; X = CO, CO2, O, S, SO, SO2, imino; L = 0, S; p, r, s = 0, 1; n, q = 0-2], were prepared Thus, 5-chloro-3-hydroxypyridine, Et 2-bromo-2-methylthioacetate (preparation given), and K2CO3 were heated together in DMF at 80° for 1 h to give Et 2-(5-chloropyrid-3-yloxy)-2-methylthioacetate. The latter was saponified with NaOH in THF/H2O and the resulting acid was condensed with tert-butylamine to give 2-(5-chloropyridyl-3-yloxy)-2-methylthio-N-(2-methylprop-2-yl)acetamide. Numerous title compds. at 200 ppm gave ≥60% control of Plasmopara viticola on grapevine leaf disks.

SUPPL. TERM:

heteroaryloxyacetamide prepn agrochem fungicide;
 alkylthioaryloxyacetamide prepn agrochem fungicide

INDEX TERM:

Fungicides
 Fungicides
 (agrochem.; preparation of (hetero)aryloxyacetamides as agrochem. fungicides)

INDEX TERM:

889661-61-4	889661-62-5	889661-63-6	889661-64-7
889661-65-8	889661-66-9	889661-67-0	889661-68-1
889661-69-2	889661-70-5	889661-71-6	889661-72-7
889661-73-8	889661-74-9	889661-75-0	889661-76-1
889661-77-2	889661-78-3	889661-79-4	889661-80-7
889661-81-8	889661-82-9	889661-83-0	889661-84-1
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889661-90-9	889661-92-1	889661-94-3	889661-96-5
889661-98-7	889662-00-4	889662-02-6	889662-04-8
889662-06-0	889662-08-2	889662-10-6	889662-12-8
889662-14-0	889662-16-2	889662-18-4	889662-20-8
889662-22-0	889662-23-1	889662-24-2	889662-25-3
889662-26-4	889662-27-5	889662-28-6	889662-29-7
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889662-38-8	889662-39-9	889662-40-2	889662-41-3

889662-42-4 889662-43-5 889662-44-6 889662-45-7
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 889662-58-2 889662-59-3 889662-60-6 889662-61-7
 889662-62-8

ROLE: AGR (Agricultural use); BSU (Biological study,
 unclassified); BIOL (Biological study); USES (Uses)
 (preparation of (hetero)aryloxyacetamides as agrochem.
 fungicides)

INDEX TERM: 889660-84-8P 889660-85-9P
 ROLE: AGR (Agricultural use); BSU (Biological study,
 unclassified); RCT (Reactant); SPN (Synthetic preparation);
 BIOL (Biological study); PREP (Preparation); RACT (Reactant
 or reagent); USES (Uses)

(preparation of (hetero)aryloxyacetamides as agrochem.
 fungicides)

INDEX TERM: 889660-01-9P 889660-02-0P 889660-03-1P 889660-04-2P
 889660-05-3P 889660-06-4P 889660-07-5P 889660-08-6P
 889660-09-7P 889660-10-0P 889660-11-1P 889660-12-2P
 889660-13-3P 889660-14-4P 889660-15-5P 889660-16-6P
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 889661-59-0P 889661-60-3P

ROLE: AGR (Agricultural use); BSU (Biological study,
 unclassified); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 (preparation of (hetero)aryloxyacetamides as agrochem.
 fungicides)

INDEX TERM: 75-64-9, tert-Butylamine, reactions 86-77-1,
 2-Dibenzofuranol 96-50-4, Thiazol-2-ylamine 98-80-6,
 Phenylboronic acid 100-46-9, Benzylamine, reactions
 107-11-9, Allylamine 109-89-7, Diethylamine, reactions
 124-40-3, Dimethylamine, reactions 124-41-4, Sodium
 methoxide 371-40-4, 4-Fluoroaniline 527-54-8,

3,4,5-Trimethylphenol 585-32-0 617-89-0,
 2-Aminomethylfuran 812-18-0 1692-15-5,
 Pyridine-4-boronic acid 1747-60-0, 2-Amino-6-methoxybenzothiazole 1885-29-6, 2-Cyanoaniline 2450-71-7, Propargylamine 3399-73-3, 1-Cyclohexene-1-ethanamine 4455-13-4, Ethyl 2-methylthioacetate 6293-83-0, 2-Iodo-4-nitroaniline 13669-57-3, 3-Bromo-6-hydroxyquinoline 13893-53-3 14036-96-5, 3-Bromo-6-methoxyquinoline 18166-02-4 19355-69-2 20719-68-0 26944-17-2, 2,2,3-Tribromopropanal 27757-85-3, (Thien-2-ylmethyl)amine 31914-32-6, 4-Amino-4-methylpent-2-yne 36567-04-1 42514-50-1 58537-99-8, 4-Cyano-3,5-dimethylphenol 73121-95-6, Di(cyclopropyl)amine 74115-12-1, 5-Chloro-3-hydroxypyridine 86544-43-6, 3-Bromo-6-methoxyquinolin-8-ylamine 92752-01-7 117460-98-7 196311-65-6, (1-Cyanocyclopropyl)amine 696611-46-8, 3,8-Dibromo-6-nitroquinoline 706790-28-5, tert-Butyl 2-bromo-2-(3,5-dichlorophenoxy)acetate 792855-86-8 808755-82-0, 6-Amino-3-bromo-8-chloroquinoline 858467-31-9 889660-83-7

ROLE: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of (hetero)aryloxyacetamides as agrochem. fungicides)

INDEX TERM:

2942-13-4P, 6-Methoxybenzothiazole 13599-84-3P,
 6-Hydroxybenzothiazole 29507-86-6P,
 3-Amino-6-methoxyquinoline 56078-31-0P, Ethyl
 2-chloro-2-methylthio-acetate 100108-01-8P, Ethyl
 2-bromo-2-methylthio-acetate 251660-96-5P 426842-85-5P,
 3-Fluoro-6-methoxyquinoline 696611-70-8P,
 6-Amino-3,8-dibromoquinoline 696611-81-1P,
 3,8-Dibromo-6-hydroxyquinoline 696612-04-1P,
 3-Chloro-6-hydroxyquinoline 808754-96-3P, tert-Butyl
 2-methylthio-2-(3,5-dichlorophenoxy)acetate 808754-97-4P,
 2-Methylthio-2-(3,5-dichlorophenoxy)acetic acid
 808754-98-5P, 2-((Benzothiazol-6-yl)oxy)-2-(methylthio)acetic acid 808755-00-2P, 2-((5-Chloropyridyl-3-yl)oxy)-2-(methylthio)acetic acid 808755-06-8P, Ethyl
 2-((5-chloropyridyl-3-yl)oxy)-2-(methylthio)acetate
 808755-07-9P, 2-((3-Bromoquinolin-6-yl)oxy)-2-(methylthio)acetic acid 808755-18-2P, Ethyl
 2-((benzothiazol-6-yl)oxy)-2-(methylthio)acetate
 808755-47-7P, Ethyl 2-((3,8-dibromoquinolin-6-yl)oxy)-2-(methylthio)acetate 808755-48-8P, 2-((3,8-Dibromoquinolin-6-yl)oxy)-2-(methylthio)acetic acid 808755-49-9P
 808755-50-2P, Ethyl 2-((3-bromoquinolin-6-yl)oxy)-2-(methylthio)acetate 808755-53-5P, 3-Fluoro-6-hydroxyquinoline 808755-54-6P, Ethyl ((3-fluoroquinolin-6-yl)oxy)-2-(methylthio)acetate 808755-83-1P,
 3-Bromo-8-chloro-6-hydroxyquinoline 808755-84-2P, Ethyl
 2-((3-bromo-8-chloroquinolin-6-yl)oxy)-2-(methylthio)acetate
 808755-85-3P, 2-((3-Bromo-8-chloroquinolin-6-yl)oxy)-2-(methylthio)acetic acid 889660-53-1P, Ethyl
 2-methylthio-2-(3,4,5-trimethylphenoxy)acetate
 889660-54-2P, 2-Methylthio-2-(3,4,5-trimethylphenoxy)acetate
 889660-55-3P, Ethyl 2-methylthio-2-(4-bromo-3,5-dimethylphenoxy)acetate 889660-56-4P, Ethyl
 2-methylthio-2-(4-cyano-3,5-dimethylphenoxy)acetate
 889660-57-5P, 2-Methylthio-2-(4-bromo-3,5-dimethylphenoxy)acetic acid 889660-58-6P,

2-Methylthio-2-(4-cyano-3,5-dimethylphenoxy)acetic acid
 889660-59-7P, Ethyl 2-((3-chloroquinolin-6-yl)oxy)-2-
 (methylthio)acetate 889660-60-0P, 2-((3-Chloroquinolin-6-
 yl)oxy)-2-(methylthio)acetic acid 889660-61-1P
 889660-62-2P, ((3-Fluoroquinolin-6-yl)oxy)-2-
 (methylthio)acetic acid 889660-63-3P 889660-64-4P
 889660-65-5P, 3-Bromo-6-hydroxy-8-methylquinoline
 889660-66-6P, Ethyl 2-((3-bromo-8-methylquinolin-6-yl)oxy)-2-
 (methylthio)acetate 889660-67-7P, 2-((3-Bromo-8-
 methylquinolin-6-yl)oxy)-2-(methylthio)acetic acid
 889660-68-8P, 3-Iodo-6-hydroxyquinoline 889660-69-9P,
 3-Bromo-8-fluoroquinolin-6-ol 889660-70-2P,
 3-Bromo-8-fluoro-6-methoxyquinoline 889660-71-3P,
 2-((3-Bromo-8-fluoroquinolin-6-yl)oxy)-2-(methylthio)acetic
 acid ethyl ester 889660-72-4P, 2-((3-Bromo-8-
 fluoroquinolin-6-yl)oxy)-2-(methylthio)acetic acid
 889660-73-5P, 3-Iodo-8-methylquinolin-6-ol 889660-74-6P,
 2-((3-Iodo-8-methylquinolin-6-yl)oxy)-2-(methylthio)acetic
 acid ethyl ester 889660-75-7P, 2-((3-Iodo-8-methylquinolin-
 6-yl)oxy)-2-(methylthio)acetic acid 889660-76-8P,
 3-Bromo-8-iodo-6-nitroquinoline 889660-77-9P,
 3-Bromo-8-iodoquinolin-6-ylamine 889660-78-0P,
 3-Bromo-8-iodoquinolin-6-ol 889660-79-1P,
 2-((3-Bromo-8-iodoquinolin-6-yl)oxy)-2-(methylthio)acetic
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 889660-82-6P 889660-86-0P, 2-((3-Iodoquinolin-6-yl)oxy)-2-
 (methylthio)acetic acid

ROLE: RCT (Reactant); SPN (Synthetic preparation); PREP
 (Preparation); RACT (Reactant or reagent)
 (preparation of (hetero)aryloxyacetamides as agrochem.
 fungicides)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
 RECORD.

REFERENCE(S): (1) Anon; PATENT ABSTRACTS OF JAPAN 1994, V018(532), PP-1810
 (2) Crowley, P; WO 2004047538 A 2004 CAPLUS
 (3) Crowley, P; WO 2004048337 A 2004 CAPLUS
 (4) Crowley, P; WO 2004052100 A 2004 CAPLUS
 (5) Crowley, P; WO 2004108663 A 2004 CAPLUS
 (6) Konica Corp; JP 06186702 A 1994 CAPLUS

L41 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 2004:467847 CAPLUS

DOCUMENT NUMBER: 141:38429

ENTRY DATE: Entered STN: 10 Jun 2004

TITLE: Preparation of N-alkynyl-2-(substituted phenoxy)
 alkylamides as fungicides

INVENTOR(S): Salmon, Roger; Langton, David
 William

PATENT ASSIGNEE(S): Syngenta Limited, UK

SOURCE: PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

INT. PATENT CLASSIF.:

MAIN: C07C235-20

SECONDARY: A01N039-04

CLASSIFICATION: 25-10 (Benzene, Its Derivatives, and Condensed
 Benzenoid Compounds)

Section cross-reference(s): 5

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004048316	A1	20040610	WO 2003-GB4834	20031110
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW	
RW:			BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
CA 2502189	AA	20040610	CA 2003-2502189	20031110
AU 2003279471	A1	20040618	AU 2003-279471	20031110
EP 1567480	A1	20050831	EP 2003-772420	20031110
R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK	
BR 2003016500	A	20051004	BR 2003-16500	20031110
CN 1717387	A	20060104	CN 2003-80104084	20031110
JP 2006507341	T2	20060302	JP 2004-554643	20031110
US 2006194763	A1	20060831	US 2006-536517	20060306
PRIORITY APPLN. INFO.:			GB 2002-27556	A 20021126
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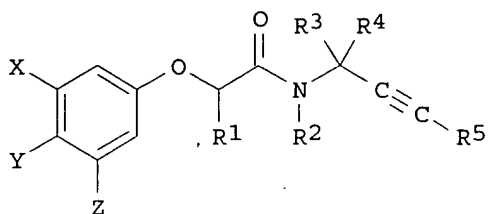
PATENT CLASSIFICATION CODES:

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004048316	ICM	C07C235-20
	ICS	A01N039-04
	IPCI	C07C0235-20 [ICM,7]; C07C0235-00 [ICM,7,C*]; A01N0039-04 [ICS,7]; A01N0039-00 [ICS,7,C*]
	IPCR	A01N0039-00 [I,C*]; A01N0039-02 [I,A]; A01N0039-04 [I,A]; C07C0235-00 [I,C*]; C07C0235-20 [I,A]
CA 2502189	ECLA	A01N039/02; A01N039/04; C07C235/20
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	IPCR	A01N0039-00 [I,C*]; A01N0039-02 [I,A]; A01N0039-04 [I,A]; C07C0235-00 [I,C*]; C07C0235-20 [I,A]
AU 2003279471	ECLA	A01N039/02; A01N039/04; C07C235/20
	IPCI	C07C0235-20 [ICM,7]; C07C0235-00 [ICM,7,C*]; A01N0039-04 [ICS,7]; A01N0039-00 [ICS,7,C*]
	IPCR	A01N0039-00 [I,C*]; A01N0039-02 [I,A]; A01N0039-04 [I,A]; C07C0235-00 [I,C*]; C07C0235-20 [I,A]
EP 1567480	IPCI	C07C0235-20 [ICM,7]; C07C0235-00 [ICM,7,C*]; A01N0039-04 [ICS,7]; A01N0039-00 [ICS,7,C*]
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	IPCR	A01N0039-00 [I,C*]; A01N0039-02 [I,A]; A01N0039-04 [I,A]; C07C0235-00 [I,C*]; C07C0235-20 [I,A]
CN 1717387	IPCI	C07C0235-20 [I,A]; C07C0235-00 [I,C*]; A01N0039-04 [I,A]; A01N0039-00 [I,C*]
	ECLA	A01N039/02; A01N039/04; C07C235/20
JP 2006507341	IPCI	C07C0235-20 [I,A]; C07C0235-00 [I,C*]; A01N0039-04 [I,A]; A01N0039-00 [I,C*]; C07C0231-02 [I,A];

C07C0231-00 [I,C*]; C07C0253-30 [I,A]; C07C0253-00 [I,C*]; C07C0255-54 [I,A]; C07C0255-00 [I,C*]
 FTERM 4H006/AA01; 4H006/AA02; 4H006/AA03; 4H006/AB03;
 4H006/AC53; 4H006/BA51; 4H006/BA92; 4H006/BJ50;
 4H006/BM30; 4H006/BM72; 4H006/BP10; 4H006/BR10;
 4H006/BV22; 4H011/AA01; 4H011/BB06
 US 2006194763 IPCI A01N0043-00 [I,A]; A01N0043-64 [I,A]; A01N0043-40 [I,A]; A01N0043-34 [I,C*]
 NCL 514/063.000; 514/383.000; 514/621.000; 514/521.000;
 514/210.010; 514/212.010; 514/317.000; 514/408.000;
 540/600.000; 546/229.000

OTHER SOURCE(S):
 GRAPHIC IMAGE:

MARPAT 141:38429



ABSTRACT:

The title compds. [I; X, Y, Z = H, halo, alkyl, etc.; R1 = alkoxyalkyl, alkylthioalkyl, alkylsulfinylalkyl, alkylsulfonylalkyl in which the total number of carbon atoms is 2 or 3; R2 = H, alkyl, alkoxymethyl, benzyloxymethyl in which Ph ring is optionally substituted with alkoxy; R3, R4 = H, alkyl, alkenyl, alkynyl; CR3R4 = (un)substituted 3-4 membered carbocyclic ring optionally containing one O, S or N atom; R5 = H, (un)substituted alkyl, cycloalkyl, Ph, thienyl, CH2Ph], were prepared E.g., a multi-step synthesis of I [X, Z = Cl; Y = H; R1 = CH2OMe; R2 = H; R3-R5 = Me] which showed at least 70% control of the following fungal infections at 200 ppm: Phytophthora infestans, Plasmopara viticola, Erysiphe graminis f.sp. hordei, and at least 70% control at 20 ppm against Pythium ultimum, was given.

SUPPL. TERM: alkynyl phenoxy alkylamide prepn agrochem fungicide; amide
 alkynyl phenoxy prepn agrochem fungicide
 INDEX TERM: Fungicides
 (agrochem.; preparation of N-alkynyl-2-(substituted phenoxy)
 alkylamides as fungicides)
 INDEX TERM: Amides, preparation
 ROLE: AGR (Agricultural use); BSU (Biological study,
 unclassified); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 (preparation of N-alkynyl-2-(substituted phenoxy) alkylamides
 as fungicides)
 INDEX TERM: 701915-84-6P 701915-85-7P 701915-86-8P 701915-87-9P
 701915-88-0P 701915-89-1P
 ROLE: AGR (Agricultural use); BSU (Biological study,
 unclassified); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 (preparation of N-alkynyl-2-(substituted phenoxy) alkylamides
 as fungicides)
 INDEX TERM: 527-54-8, 3,4,5-Trimethylphenol 591-35-5,
 3,5-Dichlorophenol 1729-67-5, Methyl 2,3-dibromopropionate
 2978-58-7, 3-Amino-3-methylbutyne 13528-93-3,

1,2-Bis(chlorodimethylsilyl)ethane 124993-53-9,
3-Cyano-5-methoxyphenol
ROLE: RCT (Reactant); RACT (Reactant or reagent)
(preparation of N-alkynyl-2-(substituted phenoxy) alkylamides
as fungicides)

INDEX TERM: 5933-08-4P, 4-Amino-4-methylpent-2-yne hydrochloride
27704-96-7P, Methyl 2-bromo-3-methoxypropionate
65090-78-0P, 2-Bromo-3-methoxypropionic acid 96908-79-1P,
1-(1,1-Dimethyl-2-propynyl)-2,2,5,5-tetramethyl-1-aza-2,5-
disilacyclopentane 543690-51-3P, 1-(1,1-Dimethyl-2-
butynyl)-2,2,5,5-tetramethyl-1-aza-2,5-disilacyclopentane
543690-80-8P 543691-07-2P 543691-09-4P 543691-10-7P
701915-90-4P, Methyl 2-(3,5-dichlorophenoxy)-3-
methoxypropionate 701915-91-5P, 2-(3,5-Dichlorophenoxy)-3-
methoxypropionic acid
ROLE: RCT (Reactant); SPN (Synthetic preparation); PREP
(Preparation); RACT (Reactant or reagent)
(preparation of N-alkynyl-2-(substituted phenoxy) alkylamides
as fungicides)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS
RECORD.

REFERENCE(S): (1) Anon; PATENT ABSTRACTS OF JAPAN 1992, V016(180), PC-0935
(2) Baker, D; US 4049423 A 1977 CAPLUS
(3) Basf Ag; EP 0010298 A 1980 CAPLUS
(4) Hoechst Ag; DE 2948095 A 1981 CAPLUS
(5) Nihon Nohyaku Co Ltd; EP 0751120 A 1997 CAPLUS
(6) Shell Agrar Gmbh & Co Kg; DE 3702964 A 1988 CAPLUS
(7) Stauffer Chemical Co; FR 2359816 A 1978 CAPLUS
(8) Stauffer Chemical Co; EP 0001721 A 1979 CAPLUS
(9) Stauffer Chemical Co; US 4168319 A 1979 CAPLUS
(10) Tokuyama Soda Co Ltd; JP 04021677 A 1992 CAPLUS

L41 ANSWER 3 OF 3 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2005-048517 [05] WPIX

DOC. NO. CPI: C2005-016590

TITLE: New N-alkynyl-2-(substituted aryloxy) alkylthioamide
derivatives, useful to combat or control phytopathogenic
fungi in e.g. plant, seed of a plant and locus of the
plant.

DERWENT CLASS: C02 C03

INVENTOR(S): BACON, D P; CROWLEY, P J; LANGFORD, D W; SAGEOT, O A;
SALMON, R; LANGTON, D W

PATENT ASSIGNEE(S): (SYGN) SYNGENTA LTD

COUNTRY COUNT: 109

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
WO 2004108663	A1	20041216	(200505)*	EN	131	C07C323-22	
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DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG							
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EP 1638928	A1	20060329	(200623)	EN		C07C323-22	
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PT RO SE SI SK TR							
AU 2004245282	A1	20041216	(200637)			C07C323-22	

BR 2004010995 A 20060704 (200645) C07C323-22
MX 2005013039 A1 20060301 (200649) A01N043-40

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2004108663	A1	WO 2004-GB2294	20040528
EP 1638928	A1	EP 2004-735260	20040528
		WO 2004-GB2294	20040528
AU 2004245282	A1	AU 2004-245282	20040528
BR 2004010995	A	BR 2004-10995	20040528
		WO 2004-GB2294	20040528
MX 2005013039	A1	WO 2004-GB2294	20040528
		MX 2005-13039	20051202

FILING DETAILS:

PATENT NO	KIND	PATENT NO
EP 1638928	A1 Based on	WO 2004108663
AU 2004245282	A1 Based on	WO 2004108663
BR 2004010995	A Based on	WO 2004108663
MX 2005013039	A1 Based on	WO 2004108663

PRIORITY APPLN. INFO: GB 2003-12863 20030604

INT. PATENT CLASSIF.:

MAIN: A01N043-40; C07C323-22
SECONDARY: C07C323-29; C07D213-16; C07D215-02; C07D235-06;
C07D265-14; C07D271-12; C07D285-00

BASIC ABSTRACT:

WO2004108663 A UPAB: 20050124
NOVELTY - N-Alkynyl-2-(substituted aryloxy) alkylthioamide derivatives (I) are new.

DETAILED DESCRIPTION - N-Alkynyl-2-(substituted aryloxy) alkylthioamide derivatives of formula (I) are new.

Ar = e.g. structure of formula (A);
A1, A2, A3 = H, halo, (halo)1-4C alkyl ((optionally substituted with halo, OSO2(1-4C) alkyl (optionally substituted with 1-4C akoxycarbonyl, CONRmRn, CORm, NRmCORn, SO2NRmRn, NRmSO2R1, halo, CN or NO2)), (halo) 2-4C alkenyl, (halo) 2-4C alkynyl, (halo) 1-4C alkoxy or S(O)m 1-4C alkyl;
R1 = 1-4C alkyl;
R-m, R-n = H or 1-4C alkyl;
L, M = N, N-oxide or CQ (except that no more than one of L or M is N-oxide);
R1 = methyl or ethyl, 1-6C alkyl;
R2 = H, 1-4C alkyl, 1-4C alkoxyethyl or benzyloxymethyl (the phenyl ring of the benzyl moiety is optionally substituted with 1-4C alkoxy);
R3, R4 = H, 1-3C alkyl, 2-3C alkenyl and 2-3C alkynyl;
CR3R4 = 3 or 4 membered carbocyclic ring optionally containing one O, S or N atom, optionally substituted with halo or C1-4 alkyl;
R5 = 1-4C alkyl or 3-6C cycloalkyl (optionally substituted with halo, OH, 1-6C alkoxy, CN, 1-4C alkylcarbonyloxy, aminocarbonyloxy or mono- or di-1-4C alkylaminocarbonyloxy, S(O)p1-6C alkyl), H, phenyl, thienyl or benzyl(all optionally substituted), optionally substituted phenyl, thienyl rings or moieties of the R5 values are optionally substituted with 1-3 substituents of halo, OH, mercapto, 1-4C alkyl, 2-4C alkenyl, 2-4C alkynyl, 1-4C alkoxy, 2-4C alkenyloxy, 2-4C alkynyloxy, halo1-4C alkyl, halo1-4C alkoxy, 1-4C alkylthio, halo1-4C alkylthio, hydroxy1-4C alkyl, 1-4C alkoxy1-4C alkyl, 3-6C cycloalkyl, 3-6C

cycloalkyl1-4Calkyl, phenoxy, benzyloxy, benzoyloxy, CN, isocyano, thiocyanato, isothiocyanato, NO₂, NR-pR-q, NHCOR-p, NHCONR-pR-q, CONR-pR-q, SO₂R-o, OSO₂R-o, COR-p, CR-p=NR-q or -N=CR-pR-q;

p = 0-2, triazolyl, pyrazolyl, imidazolyl, tri-1-4C-alkylsilyloxy ((optionally substituted phenoxy, optionally substituted thienyloxy (optionally substituted benzyloxy or thienylmethoxy);

R-o = (halo)1-4Calkyl, (halo)1-4Calkoxy, 1-4C alkylthio, 3-6C cycloalkyl, 3-6C cycloalkyl1-4Calkyl, phenyl or benzyl, the phenyl, benzyl (optionally substituted with halo, 1-4C alkyl or 1-4C alkoxy);

R-p, R-q = H, 1-4C alkyl, halo1-4Calkyl, (halo)1-4Calkoxy, 1-4C alkylthio, 3-6C cycloalkyl, 3-6C cycloalkyl1-4Calkyl, phenyl or enzy, the phenyl or benzyl (optionally substituted with halo, 1-4C alkyl or 1-4C alkoxy); and

m, n = 0-2.

Provided that R₃, R₄ are not H and when both are other than H, when combined total of carbon atoms does not exceed 4.

An INDEPENDENT CLAIM is also included for the preparation of (I).

ACTIVITY - Fungicide; Herbicide; Insecticide; Acaricide.

The fungicidal activity of (I) (20 ppm) was assessed against *Pythium ultimum*. The result showed that the percentage control of the fungi was at least 60%.

MECHANISM OF ACTION - None given.

USE - Compounds (I) are useful to combat or control phytopathogenic fungi in a plant, seed of a plant, in the locus of the plant or seed or in soil or any other plant growth medium (claimed). (I) are also useful to control pathogens e.g. *Pyricularia oryzae* on a plant. (I) are further useful as herbicidal, insecticidal, nematocidal or acaricidal agent.

Dwg.0/0

FILE SEGMENT:	CPI
FIELD AVAILABILITY:	AB; GI; DCN
MANUAL CODES:	CPI: C06-H; C07-H; C10-A03; C10-A09B; C10-A10; C10-A15; C10-B04; C10-D03; C14-A06; C14-B03A; C14-B04; C14-V01

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FILE 'REGISTRY' ENTERED AT 11:26:32 ON 11 SEP 2006
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

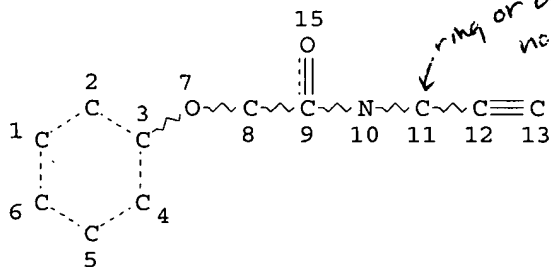
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

L10

STR



*full file search
done on this structure*

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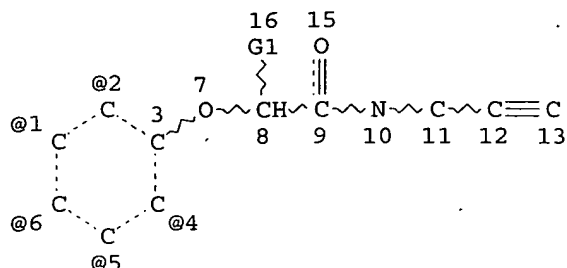
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

L15 261 SEA FILE=REGISTRY SSS FUL L10
L18 STR



Ak~O~Ak
@17 18 19

Ak~S~Ak
@20 21 22

A @23

A = any non-hydrogen atom, ring or chain

subset search done on this structure

VAR G1=17/20
VPA 23-1/2/4/5/6 U
NODE ATTRIBUTES:
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NSPEC IS RC AT 23
CONNECT IS E2 RC AT 17
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CONNECT IS E1 RC AT 22
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE
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100.0% PROCESSED 157 ITERATIONS
SEARCH TIME: 00.00.01

6 ANSWERS

=> fil capl; s l20

FILE 'CAPLUS' ENTERED AT 11:26:41 ON 11 SEP 2006
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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They are available for your review at:

<http://www.cas.org/infopolicy.html>

'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L42

1 L20

=> fil marpat; d stat que l35
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FILE CONTENT: 1961-PRESENT VOL 145 ISS 11 (20060908/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
 (COVERAGE TO THESE DATES IS NOT COMPLETE):

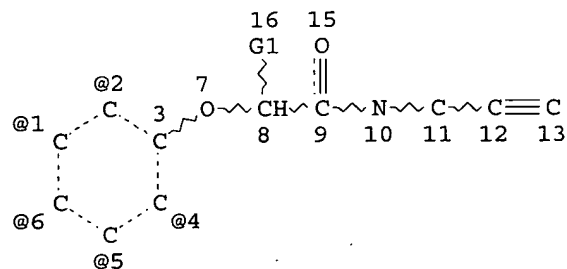
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 DE 102004060247 29 JUN 2006
 EP 1674581 28 JUN 2006
 JP 2006173552 29 JUN 2006
 WO 2006084934 17 AUG 2006
 GB 2421183 21 JUN 2006
 FR 2879932 30 JUN 2006
 RU 2278134 20 JUN 2006
 CA 2514007 16 JUN 2006

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L32

STR



Ak~O~Ak
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Ak~S~Ak
 @20 21 22

A @23

VAR G1=17/20
 VPA 23-1/2/4/5/6 U
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 CONNECT IS E2 RC AT 17
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 DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 17 19 20 22 23
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

L34 8 SEA FILE=MARPAT SSS FUL L32
L35 4 SEA FILE=MARPAT ABB=ON L34/COMPLETE

=> dup rem 142,135

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PROCESSING COMPLETED FOR L42
PROCESSING COMPLETED FOR L35
L43 4 DUP REM L42 L35 (1 DUPLICATE REMOVED)
ANSWER '1' FROM FILE CAPLUS
ANSWERS '2-4' FROM FILE MARPAT

=> d ibib ed abs hitstr 1; d ibib abs qhit 2-4

L43 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2004:467847 CAPLUS
DOCUMENT NUMBER: 141:38429
TITLE: Preparation of N-alkynyl-2-(substituted phenoxy)
alkylamides as fungicides
INVENTOR(S): Salmon, Roger; Langton, David William
PATENT ASSIGNEE(S): Syngenta Limited, UK
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

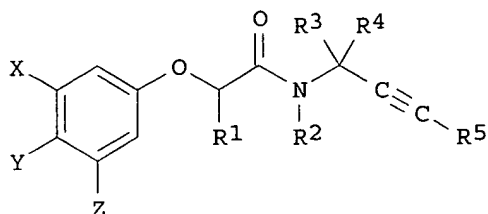
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RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2502189	AA	20040610	CA 2003-2502189	20031110
AU 2003279471	A1	20040618	AU 2003-279471	20031110
EP 1567480	A1	20050831	EP 2003-772420	20031110
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BR 2003016500	A	20051004	BR 2003-16500	20031110
CN 1717387	A	20060104	CN 2003-80104084	20031110

JP 2006507341 T2 20060302 JP 2004-554643 20031110
US 2006194763 A1 20060831 US 2006-536517 20060306
PRIORITY APPLN. INFO.: GB 2002-27556 A 20021126
WO 2003-GB4834 W 20031110

OTHER SOURCE(S): MARPAT 141:38429

ED Entered STN: 10 Jun 2004

GI



AB The title compds. [I; X, Y, Z = H, halo, alkyl, etc.; R1 = alkoxyalkyl, alkylthioalkyl, alkylsulfinylalkyl, alkylsulfonylalkyl in which the total number of carbon atoms is 2 or 3; R2 = H, alkyl, alkoxymethyl, benzyloxymethyl in which Ph ring is optionally substituted with alkoxy; R3, R4 = H, alkyl, alkenyl, alkynyl; CR3R4 = (un)substituted 3-4 membered carbocyclic ring optionally containing one O, S or N atom; R5 = H, (un)substituted alkyl, cycloalkyl, Ph, thienyl, CH2Ph], were prepared E.g., a multi-step synthesis of I [X, Z = Cl; Y = H; R1 = CH2OMe; R2 = H; R3-R5 = Me] which showed at least 70% control of the following fungal infections at 200 ppm: Phytophthora infestans, Plasmopara viticola, Erysiphe graminis f.sp. hordei, and at least 70% control at 20 ppm against Pythium ultimum, was given.

IT 701915-84-6P 701915-85-7P 701915-86-8P

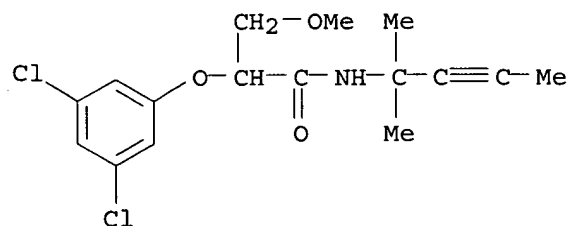
701915-87-9P 701915-88-0P 701915-89-1P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides)

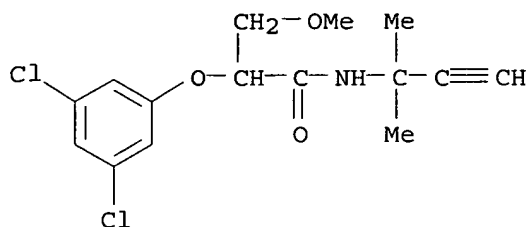
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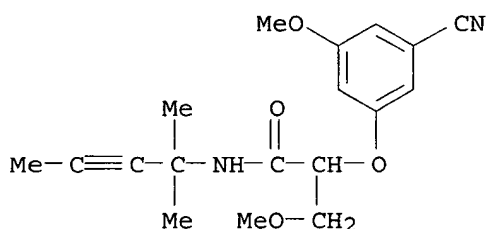
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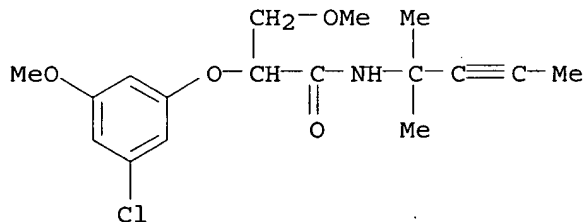
RN 701915-86-8 CAPLUS

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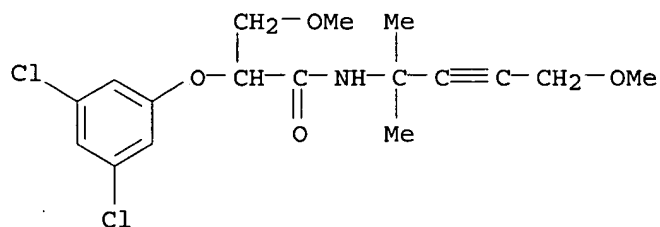
RN 701915-87-9 CAPLUS

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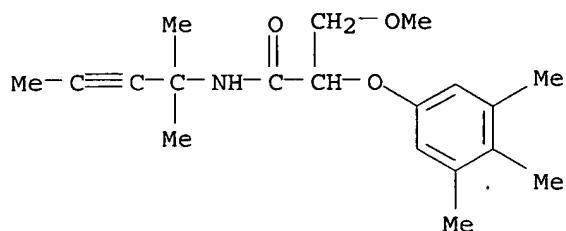
RN 701915-88-0 CAPLUS

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RN 701915-89-1 CAPLUS

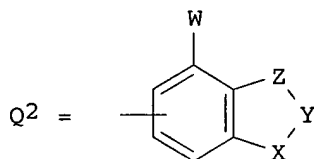
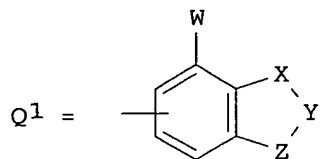
CN Propanamide, N-(1,1-dimethyl-2-butynyl)-3-methoxy-2-(3,4,5-trimethylphenoxy)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

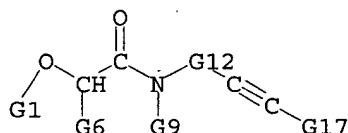
L43 ANSWER 2 OF 4 MARPAT COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 142:56290 MARPAT
 TITLE: Preparation of N-alkynyl-2-heteroaryloxyalkylamides as agrochemical fungicides
 INVENTOR(S): Salmon, Roger; Crowley, Patrick Jelf
 PATENT ASSIGNEE(S): Syngenta Limited, UK
 SOURCE: PCT Int. Appl., 76 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004108694	A1	20041216	WO 2004-GB2308	20040528
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EP 1633730	A1	20060315	EP 2004-735275	20040528
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CN 1798743	A	20060705	CN 2004-80015282	20040528
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			WO 2004-GB2308	20040528
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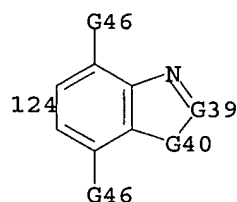


AB HetOCHR1CONR2CR3R4C.tplbond.CR5 [Het = Q1, Q2; W = H, halo, alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulfinyl, haloalkylsulfonyl, cyano, NO₂; X = N, NH, NA; A = alkyl; Y, Z = CR, N, NH, NA, O, S; R = H, halo, alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulfinyl, haloalkylsulfonyl, alkylamino; R1 = alkoxy, (substituted) alkyl, alkenyl, alkynyl, alkoxyalkyl, alkylthioalkyl, alkylsulfinylalkyl, alkylsulfonylalkyl; R2 = H, alkyl, alkoxyethyl, (alkoxy)benzyloxymethyl; R3, R4 = H, alkyl, alkenyl, alkynyl; R3R4C = atoms to form a (substituted) 3-4 membered ring optionally containing 1 O, S, or N atom; R5 = H, (substituted) alkyl, cycloalkyl, Ph, thienyl, PhCH₂, etc.; with provisos], were prepared Thus, 6-hydroxybenzothiazole (preparation given), 2-bromo-N-(4-methylpent-2-yn-4-yl)butyramide (preparation given) and K₂CO₃ were stirred together in DMF at 90° for 6 h to give 2-(6-benzothiazolyloxy)-N-(4-methylpent-2-yn-4-yl)butyramide. Several title compds. at 200 ppm gave ≥60% control of Erysiphe graminis, Phytophthora infestans, and Plasmopara viticola.

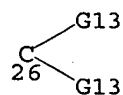
MSTR 1



G1 = 124



G6 = alkyl <containing 1-4 C>
(opt. substd. by 1 or more G7)
G7 = alkoxy carbonyl <containing 1-4 C>
G12 = 26



G46 = CN

Patent location: claim 1

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L43 ANSWER 3 OF 4 MARPAT COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 141:38428 MARPAT

TITLE: Preparation of N-alkynyl-2-(substituted phenoxy) alkylamides as fungicides

INVENTOR(S): Salmon, Roger; Crowley, Patrick Jelf; Bacon, David Philip

PATENT ASSIGNEE(S): Syngenta Limited, UK

SOURCE: PCT Int. Appl., 62 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

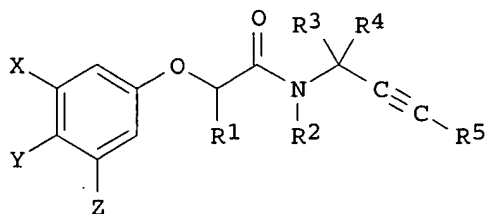
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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CA 2502186	AA	20040610	CA 2003-2502186	20031110
AU 2003280948	A1	20040618	AU 2003-280948	20031110
EP 1567479	A1	20050831	EP 2003-772418	20031110
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BR 2003016565	A	20051004	BR 2003-16565	20031110
CN 1714073	A	20051228	CN 2003-80103405	20031110
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PRIORITY APPLN. INFO.:			GB 2002-27551	20021126
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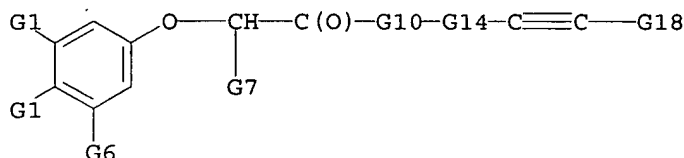


I

AB The title compds. [I; X, Y, Z = H, halo, alkyl, etc.; R1 = alkyl, alkenyl, alkynyl in which all three groups are optionally substituted on their terminal carbon atom; R2 = H, alkyl, alkoxymethyl, benzyloxymethyl in which Ph ring is optionally substituted with alkoxy; R3, R4 = H, alkyl,

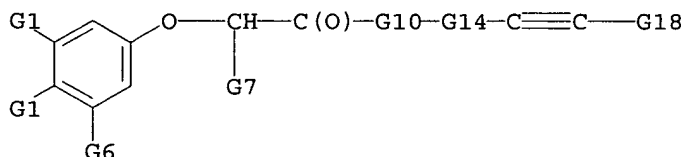
alkenyl, alkynyl; CR3R4 = (un)substituted 3-4 membered carbocyclic ring optionally containing one O, S or N atom; R5 = H, (un)substituted alkyl, cycloalkyl, Ph, thienyl, CH2Ph; with the provisos], were prepared E.g., a multi-step synthesis of I [X, Z = Cl; Y = H; R1 = Et; R2 = H; R3, R4 = Me; R5 = CH2OH] which gave more than 60% control of the following fungal infections at 200 ppm: Phytophthora infestans, Plasmopara viticola, Erysiphe graminis f.sp. hordei, and more than 60% control at 20 ppm against Pythium ultimum, was given.

MSTR 1A



G1 = CN
G7 = carbon chain <containing 1-4 C,
0 or more double bonds, 0 or more triple bonds>
(opt. substd. by 1 or more G8)
G8 = alkoxy carbonyl <containing 1-4 C>
G10 = NH
G14 = CMe2
Patent location: claim 1
Note: substitution is restricted

MSTR 1B



G1 = CN
G7 = carbon chain <containing 1-4 C,
0 or more double bonds, 0 or more triple bonds>
(opt. substd. by 1 or more G8)
G8 = alkoxy carbonyl <containing 1-4 C>
G10 = NH
G14 = CMe2
Patent location: claim 1
Note: substitution is restricted

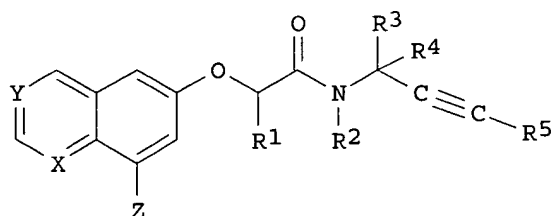
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L43 ANSWER 4 OF 4 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 141:2846 MARPAT
TITLE: Preparation of quinoline-, isoquinoline-, and quinazolinooxyalkylamides as fungicides
INVENTOR(S): Crowley, Patrick Jelf; Salmon, Roger

PATENT ASSIGNEE(S): Syngenta Limited, UK
 SOURCE: PCT Int. Appl., 73 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004047538	A1	20040610	WO 2003-GB4631	20031027
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CN 1717175	A	20060104	CN 2003-80104073	20031027
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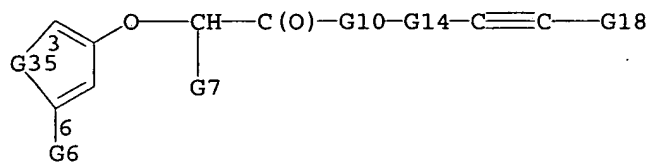
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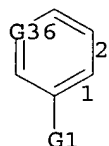
I

AB The title compds. I [one of X and Y is N or N oxide and the other is CR or both of X and Y are N; Z = H, halo, (halo)alkyl, etc.; R1 = (un)substituted alkyl, alkenyl, alkynyl, etc.; R2 = H, alkyl, alkoxyethyl or (phenyl)benzyloxyethyl; R3,R4 = H alkyl, alkenyl or alkynyl; R3R4 = (un)substituted carbocyclyl, optionally containing O, S or N heteroatoms; R5 = H, (un)substituted (cyclo)alkyl, etc.] are prepared as fungicides.

MSTR 1A

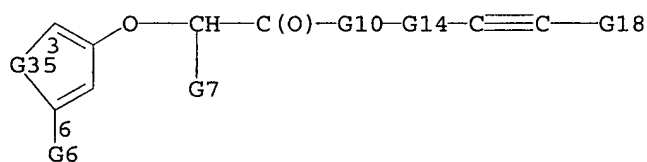


- G6 = cycloalkyl <containing 3-6 C>
 (opt. substd. by 1 or more G2)
 G7 = carbon chain <containing 1-4 C,
 0 or more double bonds, 0 or more triple bonds>
 (opt. substd. by 1 or more G8)
 G8 = alkoxycarbonyl <containing 1-4 C>
 G10 = NH
 G14 = CMe2
 G35 = 2-3 1-6

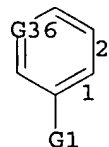


Patent location: claim 1
 Note: substitution is restricted

MSTR 1B



- G6 = cycloalkyl <containing 3-6 C>
 (opt. substd. by 1 or more G2)
 G7 = carbon chain <containing 1-4 C,
 0 or more double bonds, 0 or more triple bonds>
 (opt. substd. by 1 or more G8)
 G8 = alkoxycarbonyl <containing 1-4 C>
 G10 = NH
 G14 = CMe2
 G35 = 2-3 1-6



Patent location: claim 1
 Note: substitution is restricted

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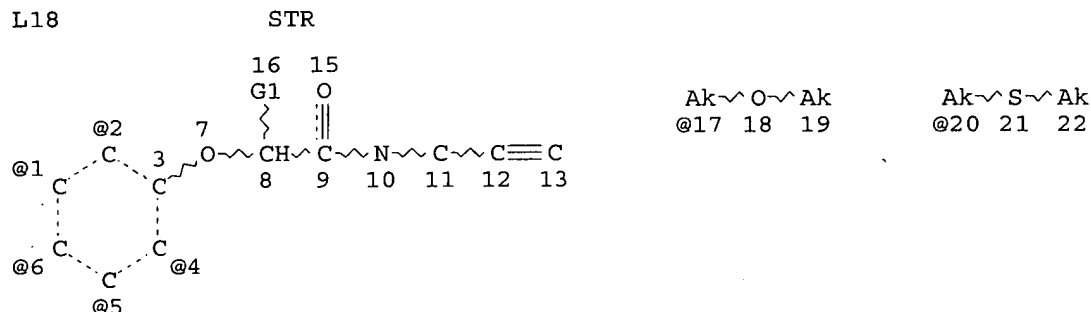
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THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

FILE LAST UPDATED: 6 SEP 2006 <20060906/UP>
MOST RECENT DERWENT UPDATE: 200657 <200657/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> PLEASE BE AWARE OF THE NEW IPC REFORM IN 2006, SEE
http://www.stn-international.de/stndatabases/details/ipc_reform.html and
<http://scientific.thomson.com/media/scpdf/ipcrdwpi.pdf> <<<

>>> FOR FURTHER DETAILS ON THE FORTHCOMING DERWENT WORLD PATENTS
INDEX ENHANCEMENTS PLEASE VISIT:
http://www.stn-international.de/stndatabases/details/dwpi_r.html <<<
'BI ABEX' IS DEFAULT SEARCH FIELD FOR 'WPXI' FILE



A @23

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NSPEC      IS RC          AT 23
CONNECT IS E2 RC AT 17
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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

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STEREO ATTRIBUTES: NONE
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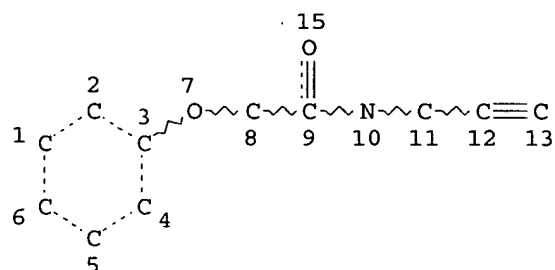
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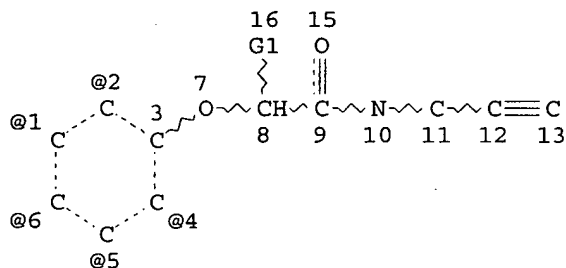
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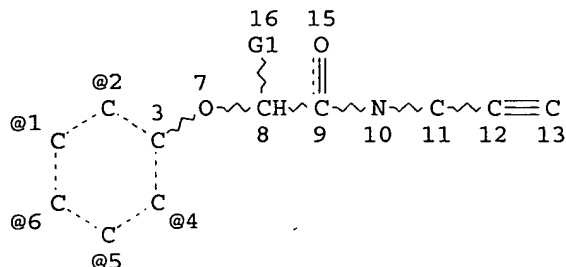
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6 ANSWERS

L32

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RING(S) ARE ISOLATED OR EMBEDDED
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STEREO ATTRIBUTES: NONE
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L2 35 SEA ABB=ON LANGTON D?/AU
L3 610 SEA ABB=ON CROWLEY P?/AU
L4 235290 SEA ABB=ON FUNGICID? OR FUNGISTAT?
L5 5 SEA ABB=ON L1 AND L2
L6 39 SEA ABB=ON L1 AND L3
L7 37 SEA ABB=ON L1 AND L3 AND L4
L8 5880738 SEA ABB=ON PLANT#
L9 18 SEA ABB=ON L1 AND L3 AND L4 AND L8

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FILE 'REGISTRY' ENTERED AT 11:04:49 ON 11 SEP 2006
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L23 3 SEA ABB=ON L22/COMPLETE
SAVE TEMP L23 PRY517MARPA

FILE 'REGISTRY' ENTERED AT 11:17:32 ON 11 SEP 2006
L24 STR L10
L25 1 SEA SUB=L15 SSS SAM L24
D SCAN
L26 9 SEA SUB=L15 SSS FUL L24
SAVE TEMP L26 PRY518SUB/A
L27 STR L24
L28 1 SEA SSS SAM L27

FILE 'MARPAT' ENTERED AT 11:20:26 ON 11 SEP 2006
L29 0 SEA SSS SAM L27
L30 10 SEA SSS FUL L27
L31 6 SEA ABB=ON L30/COMPLETE
SAVE TEMP L31 PRY518MARPA
D QUE L23
L32 STR L18
L33 0 SEA SSS SAM L32
L34 8 SEA SSS FUL L32
L35 4 SEA ABB=ON L34/COMPLETE
SAVE TEMP L35 PRY517MARPA

FILE 'WPIX' ENTERED AT 11:23:42 ON 11 SEP 2006
D QUE NOS L15
L36 20 SEA SSS SAM L10
D QUE NOS L20
L37 0 SEA SSS SAM L18
L38 0 SEA SSS FUL L18
SAVE TEMP L38 PRY517WPI/A
D QUE NOS L26
L39 0 SEA SSS SAM L24
L40 0 SEA SSS FUL L24
SAVE TEMP L40 PRY518WPI/A

FILE 'STNGUIDE' ENTERED AT 11:25:24 ON 11 SEP 2006

FILE 'CAPLUS, AGRICOLA, CABA, BIOSIS, WPIX' ENTERED AT 11:25:58 ON 11 SEP 2006

L41 D QUE L5
3 DUP REM L5 (2 DUPLICATES REMOVED)
ANSWERS '1-2' FROM FILE CAPLUS
ANSWER '3' FROM FILE WPIX
D IALL 1-3

FILE 'REGISTRY' ENTERED AT 11:26:32 ON 11 SEP 2006
D STAT QUE L20

L42 FILE 'CAPLUS' ENTERED AT 11:26:41 ON 11 SEP 2006
1 SEA ABB=ON L20

FILE 'MARPAT' ENTERED AT 11:27:08 ON 11 SEP 2006
D STAT QUE L35

L43 FILE 'CAPLUS, MARPAT' ENTERED AT 11:27:14 ON 11 SEP 2006
4 DUP REM L42 L35 (1 DUPLICATE REMOVED)
ANSWER '1' FROM FILE CAPLUS
ANSWERS '2-4' FROM FILE MARPAT
D IBIB ED ABS HITSTR 1
D IBIB ABS QHIT 2-4

FILE 'WPIX' ENTERED AT 11:28:21 ON 11 SEP 2006
D STAT QUE L38

FILE 'HOME' ENTERED AT 11:28:22 ON 11 SEP 2006
D STAT QUE L20
D STAT QUE L35

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